L Number	Hits	Search Text	DB	Time stamp
1	47	telephone and facsimile and web and chat and wireless	USPAT	2003/12/21 19:20
2	42	(telephone and facsimile and web and chat and wireless) and (email or (electronic adj mail) or e-mail)	USPAT	2003/12/21 19:20
3	18	((telephone and facsimile and web and chat and wireless) and (email or (electronic adj mail) or e-mail)) and fax	USPAT	2003/12/21 19:21
4	26	(telephone and facsimile and web and chat and wireless) and model$3	USPAT	2003/12/21 18:45
5	6	(telephone and facsimile and web and chat and wireless) and (model$3 same engine)	USPAT	2003/12/21 18:46
6	30	(telephone and facsimile and web and chat and wireless) and config$5	USPAT	2003/12/21 19:20
7	21	(telephone and facsimile and web and chat and wireless) and analy$3	USPAT	2003/12/21 18:47
8	1	(telephone and facsimile and web and chat and wireless) and (knowledge same base)	USPAT	2003/12/21 18:48
9	11	(telephone and facsimile and web and chat and wireless) and feedback	USPAT	2003/12/21 18:48
10	33	(telephone and facsimile and web and chat and wireless) and contact	USPAT	2003/12/21 18:48
11	4	(((telephone and facsimile and web and chat and wireless) and (email or (electronic adj mail) or e-mail)) and fax) and (model$3 same engine) and config$5 and analy$3 and feedback and contact	USPAT	2003/12/21 19:03
12	9	(5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.	USPAT	2003/12/21 19:23
13	220	telephone and facsimile and web and chat and wireless	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 19:20
14	42	(telephone and facsimile and web and chat and wireless) and (email or (electronic adj mail) or e-mail)	USPAT	2003/12/21 19:22
15	18	((telephone and facsimile and web and chat and wireless) and (email or (electronic adj mail) or e-mail)) and fax	USPAT	2003/12/21 19:22
16	206	(telephone and facsimile and web and chat and wireless) and (email or (electronic adj mail) or e-mail)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 19:22
17	96	((telephone and facsimile and web and chat and wireless) and (email or (electronic adj mail) or e-mail)) and fax	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 19:22
18	0	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (test adj communication$1)	USPAT	2003/12/21 19:23
19	1	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (text adj communication$1)	USPAT	2003/12/21 19:33
20	1	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (text same communication$1)	USPAT	2003/12/21 19:24
21	8	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and text	USPAT	2003/12/21 19:24
22	341	receiv$3 and send$3 and feedback and (knowledge same base) and analy$3 and engine and model$3 and center	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 19:28

23	17201	config$5 and center and contact and send$3 and receiv$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 19:29
24	182	(receiv$3 and send$3 and feedback and (knowledge same base) and analy$3 and engine and model$3 and center) and (config$5 and center and contact and send$3 and receiv$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 19:29
25	110	((receiv$3 and send$3 and feedback and (knowledge same base) and analy$3 and engine and model$3 and center) and (config$5 and center and contact and send$3 and receiv$3)) and predict$3 and respon$3	USPAT	2003/12/21 19:31
26	148	((receiv$3 and send$3 and feedback and (knowledge same base) and analy$3 and engine and model$3 and center) and (config$5 and center and contact and send$3 and receiv$3)) and predict$3 and respon$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 19:31
27	3	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (natural same language)	USPAT	2003/12/21 19:34
28	2	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and morpholog$4	USPAT	2003/12/21 19:36
29	8	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and ident$9	USPAT	2003/12/21 19:37
30	8	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and identify	USPAT	2003/12/21 19:37
31	6	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and concept$1	USPAT	2003/12/21 19:42
32	1	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and semantic	USPAT	2003/12/21 19:39
33	1	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and lexical	USPAT	2003/12/21 19:39
34	7	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and adapt$3	USPAT	2003/12/21 19:42
35	1	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (adapt$3 same knowledge same base)	USPAT	2003/12/21 19:43
36	8	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and accura$2	USPAT	2003/12/21 19:43
37	0	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (accura$2 adj gauge)	USPAT	2003/12/21 19:44
38	6	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and $2active	USPAT	2003/12/21 20:01
39	6	(((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and $2active) and (((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and accura$2)	USPAT	2003/12/21 19:49
40	5	((((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and $2active) and (((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and accura$2)) and (((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and concept$1)	USPAT	2003/12/21 19:58

41	0	(((((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and $2active) and (((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and accura$2)) and (((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and concept$1)) and ($2active same accura$2)	USPAT	2003/12/21 19:58
42	6	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and predict$3	USPAT	2003/12/21 20:02
43	8	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and respon$3	USPAT	2003/12/21 20:03
44	0	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (predict same respon$3)	USPAT	2003/12/21 20:04
45	6	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and voice	USPAT	2003/12/21 20:04
46	4	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (digital same signal same process$3)	USPAT	2003/12/21 20:07
47	3	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and dsp	USPAT	2003/12/21 20:05
48	0	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and acoustic$2	USPAT	2003/12/21 20:13
49	6	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and sound	USPAT	2003/12/21 20:07
50	4	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (categor$5 same voice)	USPAT	2003/12/21 20:28
51	8	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and text	USPAT	2003/12/21 20:14
52	4	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and text-based	USPAT	2003/12/21 20:14
53	6	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (real adj time)	USPAT	2003/12/21 20:21
54	7	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and compar$3	USPAT	2003/12/21 20:21
55	0	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (compar$3 same (real adj time) same predict$3)	USPAT	2003/12/21 20:22
56	0	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (compar$3 same (real adj time))	USPAT	2003/12/21 20:22
57	0	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (compar$4 same (real adj time) same predict$3)	USPAT	2003/12/21 20:23
58	7	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and actual	USPAT	2003/12/21 20:27
59	1	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (actual same predict$3)	USPAT	2003/12/21 20:25
60	0	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (actual same predict$3 same respon$3)	USPAT	2003/12/21 20:23
61	4	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (offline or off-line)	USPAT	2003/12/21 20:24
62	1	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and metadata	USPAT	2003/12/21 20:37

63	2	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and (structured same information)	USPAT	2003/12/21 20:30
64	6	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and learn$3	USPAT	2003/12/21 20:31
65	6	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and updat$4	USPAT	2003/12/21 20:31
66	8	((5999525, 5867494, 5867495, 5872850, 5905866, 5982891, 5878385, 5371807, "5765033").pn.) and modif$3	USPAT	2003/12/21 20:31
67	1453	metadata	USPAT	2003/12/21 20:37
68	0	metadata67 and (natural same language)	USPAT	2003/12/21 20:37
69	125	metadata and (natural same language)	USPAT	2003/12/21 20:42
70	99	(metadata and (natural same language)) and (structur$2 same information)	USPAT	2003/12/21 20:45
71	22	((metadata and (natural same language)) and (structur$2 same information)) and (digital same signal same process$3)	USPAT	2003/12/21 21:02
72	0	(5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn. and metadata	USPAT	2003/12/21 20:49
73	7	(((metadata and (natural same language)) and (structur$2 same information)) and (digital same signal same process$3)) and (offline or off-line)	USPAT	2003/12/21 20:59
74	19	((metadata and (natural same language)) and (structur$2 same information)) and (categor$5 same voice)	USPAT	2003/12/21 21:04
75	1	((metadata and (natural same language)) and (structur$2 same information)) and telephone and facsimile and web and chat and wireless and (email or (electronic adj mail) or e-mail) and fax	USPAT	2003/12/21 21:04
76	1	((metadata and (natural same language)) and (structur$2 same information)) and telephone and facsimile and web and chat and wireless and (email or (electronic adj mail) or e-mail)	USPAT	2003/12/21 21:05
77	1	((metadata and (natural same language)) and (structur$2 same information)) and telephone and facsimile and web and chat and wireless	USPAT	2003/12/21 21:05
78	36	((metadata and (natural same language)) and (structur$2 same information)) and contact	USPAT	2003/12/21 21:05
79	27	((metadata and (natural same language)) and (structur$2 same information)) and feedback	USPAT	2003/12/21 21:05
-	2	("6408277").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:13
-	1	("6647378").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/18 20:25
-	2	("6327583").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/18 20:26
-	0	("6286012,6363383,6076082").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/18 20:28

-	6	(6286012, 6363383, "6076082").pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/18 20:36
-	8	(5565915, 5448502, 5220496, "5109275").pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/18 20:48
-	13	(5048100, 5226092, 5446891, 5535382, 5619709, 5692176, 5724567, 5802504, 5832465, 5855015, 5907841, 6064971, "6067535").pn.	USPAT	2003/12/18 20:52
-	2257835	system.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:14
-	55313	system.ti. and electronic.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:14
-	2722	(system.ti. and electronic.ti.) and communication.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:14
-	92	((system.ti. and electronic.ti.) and communication.ti.) and management.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:53
-	1	(((system.ti. and electronic.ti.) and communication.ti.) and management.ti.) and (knowledge adj base)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:25
-	0	(((system.ti. and electronic.ti.) and communication.ti.) and management.ti.) and (model$3 adj engine)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:25
-	0	(((system.ti. and electronic.ti.) and communication.ti.) and management.ti.) and (feedback adj module)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:25
-	4	(((system.ti. and electronic.ti.) and communication.ti.) and management.ti.) and config$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:26
-	0	(((system.ti. and electronic.ti.) and communication.ti.) and management.ti.) and (contact adj center)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:25
-	1	(((system.ti. and electronic.ti.) and communication.ti.) and management.ti.) and (knowledge same base)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:25

-	0	(((system.ti. and electronic.ti.) and communication.ti.) and management.ti.) and (model$3 same engine)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:25
-	0	(((system.ti. and electronic.ti.) and communication.ti.) and management.ti.) and (feedback same module)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:25
-	7	(((system.ti. and electronic.ti.) and communication.ti.) and management.ti.) and center	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:26
-	3	(((system.ti. and electronic.ti.) and communication.ti.) and management.ti.) and analy$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:34
-	375980	electronic.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:53
-	7308	electronic.ti. and communication.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:53
-	5	((electronic.ti. and communication.ti.) and management.ti.) and config$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 16:21
-	13	((electronic.ti. and communication.ti.) and management.ti.) and model$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:56
-	15	((electronic.ti. and communication.ti.) and management.ti.) and center	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:56
-	161	(electronic.ti. and communication.ti.) and management.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:59
-	3	((electronic.ti. and communication.ti.) and management.ti.) and feedback	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/21 15:59
-	10	(5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.	USPAT	2003/12/21 20:49
-	1	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and config$5	USPAT	2003/12/21 16:29
-	3	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and center	USPAT	2003/12/21 16:33

-	4	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and model$3	USPAT	2003/12/21 16:37
-	2	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and engine	USPAT	2003/12/21 16:40
-	0	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and (model$3 adj engine)	USPAT	2003/12/21 16:37
-	0	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and (model$3 same engine)	USPAT	2003/12/21 16:37
-	8	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and analy$3	USPAT	2003/12/21 16:37
-	1	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and (knowledge same base)	USPAT	2003/12/21 16:40
-	1	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and feedback	USPAT	2003/12/21 16:40
-	0	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and adaptive	USPAT	2003/12/21 16:41
-	2	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and contact	USPAT	2003/12/21 16:42
-	0	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and (contact adj center)	USPAT	2003/12/21 16:41
-	3	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and send$3	USPAT	2003/12/21 16:42
-	7	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and receiv$3	USPAT	2003/12/21 19:18
-	1	((5068789, 5099425, 5101349, 5251131, 5321608, 5371807, 5687384, 5761631, 5765033, "5878385").pn.) and electronic.ti.	USPAT	2003/12/21 19:17
-	212	receiv$3 and send$3 and feedback and (knowledge same base) and analy$3 and engine and model$3 and center	USPAT	2003/12/21 19:28
-	10557	config$5 and center and contact and send$3 and receiv$3	USPAT	2003/12/21 19:29
-	122	(receiv$3 and send$3 and feedback and (knowledge same base) and analy$3 and engine and model$3 and center) and (config$5 and center and contact and send$3 and receiv$3)	USPAT	2003/12/21 17:52
-	110	(receiv$3 and send$3 and feedback and (knowledge same base) and analy$3 and engine and model$3 and center) and (config$5 and center and contact and send$3 and receiv$3) and predict$3	USPAT	2003/12/21 17:52
-	110	((receiv$3 and send$3 and feedback and (knowledge same base) and analy$3 and engine and model$3 and center) and (config$5 and center and contact and send$3 and receiv$3) and predict$3) and respon$3	USPAT	2003/12/21 19:30

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1 **The PR4G VHF ECCM system: extensive tactical communications for t battlefield**
Lagarde, P.; di Pasquale, S.G.;
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Stanley-Marbell, P.S.; Marculescu, D.; Marculescu, R.; Khosla, P.K.;
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1 Fast detection of communication patterns in distributed executions 88%
Thomas Kunz , Michiel F. H. Seuren
Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research November 1997
Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

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2 Third Generation Computer Systems 80%
Peter J. Denning
ACM Computing Surveys (CSUR) December 1971
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The common features of third generation operating systems are surveyed from a general view, with emphasis on the common abstractions that constitute at least the basis for a "theory" of operating systems. Properties of specific systems are not discussed except where examples are useful. The technical aspects of issues and concepts are stressed, the nontechnical aspects mentioned only briefly. A perfunctory knowledge of third generation systems is presumed.

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ACM SIGMOBILE Mobile Computing and Communications Review January 2003
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4 Foundation of a framework to support knowledge management in the field of context-aware and pervasive computing 77%
Philipp Amann , Gerald Quirchmayr
Proceedings of the Australasian information security workshop conference on ACSW frontiers 2003 - Volume 21 January 2003
In this paper we propose a framework to combine Knowledge Management and context-aware and pervasive computing, emphasizing on synchronization and adaptation issues of workflow processes in mobile settings. The key aspect of the proposed framework is to enable adaptive, two-way interaction between context-aware systems and users in mobile settings. In contrast to existing concepts, we aim at capturing active feedback from users, which should contribute to the *Organizational Memory*, after ...

5 Tutorial: Compiling concurrent languages for sequential processors 77%
Stephen A. Edwards
ACM Transactions on Design Automation of Electronic Systems (TODAES) April 2003
Volume 8 Issue 2
Embedded systems often include a traditional processor capable of executing sequential code, but both control and data-dominated tasks are often more naturally expressed using one of the many domain-specific concurrent specification languages. This article surveys a variety of techniques for translating these concurrent specifications into sequential code. The techniques address compiling a wide variety of languages, ranging from dataflow to Petri nets. Each uses a different method, to some degr ...

6 Requirements analysis for large Ada programs: lessons learned on CCPDS-R 77%
C. Grauling
Proceedings of the conference on Tri-Ada '89: Ada technology in context: application, development, and deployment January 1989
This paper summarizes the experiences of the software requirements team on the Command Center Processing and Display System Replacement (CCPDS-R) program. The CCPDS-R program involves the development of large amount of command and control software while using a new approach to the entire software development process. The major challenges that the software requirements team faced include: performance constraints, dealing with uncertainty in a fixed price development environment, and incompat ...

7 A generator of direct manipulation office systems 77%
Scott E. Hudson , Roger King
ACM Transactions on Information Systems (TOIS) July 1986
Volume 4 Issue 2
A system for generating direct manipulation office systems is described. In these systems, the user directly manipulates graphical representations of office entities instead of dealing with these entities abstractly through a command language or menu system. These systems employ a new semantic data model to describe office entities. New techniques based on attribute grammars and incremental attribute evaluation are used to implement this data model in an efficient manner. In addition, the s ...

8 Decentralizing a global naming service for improved performance and fault tolerance 77%

D. R. Cheriton , T. P. Mann

ACM Transactions on Computer Systems (TOCS) May 1989

Volume 7 Issue 2

Naming is an important aspect of distributed system design. A naming system allows users and programs to assign character-string names to objects, and subsequently use the names to refer to those objects. With the interconnection of clusters of computers by wide-area networks and internetworks, the domain over which naming systems must function is growing to encompass the entire world. In this paper we address the problem of a global naming system, proposing a three-level naming ...

9 Modeling methodology: Models and representation of their ownership 77%

Hessam S. Sarjoughian , Bernard P. Zeigler

Proceedings of the 32nd conference on Winter simulation December 2000

Models, similar to other intellectual properties, are increasingly being treated as commodities worthy of protection. Providing ownership for models is key for promoting model reusability, composability, and distributed simulation. However, to date, it appears no principled approach has been developed to support ownership of models. Instead, individuals such as modelers and legal personnel employ ad hoc means to obtain and (re)use models developed and owned by others. In this article, we briefly ...

10 Spoken dialogue technology: enabling the conversational user interface 77%

ACM Computing Surveys (CSUR) March 2002

Volume 34 Issue 1

Spoken dialogue systems allow users to interact with computer-based applications such as databases and expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in the 1950s concerned with developing conversational interfaces. However, it is only within the last decade or so, with major advances in speech technology, that large-scale working systems have been developed and, in some cases, introduced into commerc ...

11 Special Issue on Critical Analyses of ERP Systems: the macro level: Enterprise resource planning (ERP) systems as a technology of power: empowerment or panoptic control? 77%

Siew Kien Sia , May Tang , Christina Soh , Wai Fong Boh

ACM SIGMIS Database February 2002

Volume 33 Issue 1

This paper explores ERP as an ambivalent technology of power. On the one hand, it may tighten management control by bringing a new level of panoptic visibility to organizational activities; on the other hand, the embedded business model within the ERP may drive empowerment of employees and greater control relaxation through the configuration of new process design. How will the implementation of an ERP system affect organizational control? Our This research seeks to understand how the different f ...

12 Computing curricula 2001 77%

Journal on Educational Resources in Computing (JERIC) September 2001

13 Toward the domestication of microelectronics 77%
Joel S. Birnbaum
Communications of the ACM November 1985
Volume 28 Issue 11
The great challenge for computer science in this decade is to make computers usable by everyone. Computers, long viewed as a dehumanizing force, will become the most powerful means of personal creative expression and communication ever known.

14 Programming languages for computer music synthesis, performance, and composition 77%
Gareth Loy , Curtis Abbott
ACM Computing Surveys (CSUR) June 1985
Volume 17 Issue 2
The development of formal, descriptive, and procedural notations has become a practical concern within the field of music now that computers are being applied to musical tasks. Music combines the real-time demands of performance with the intellectual demands of highly developed symbolic systems that are quite different from natural language. The richness and variety of these demands makes the programming language paradigm a natural one in the musical application of computers. This paradigm ...

15 Searching the Web 77%
ACM Transactions on Internet Technology (TOIT) August 2001
Volume 1 Issue 1
We offer an overview of current Web search engine design. After introducing a generic search engine architecture, we examine each engine component in turn. We cover crawling, local Web page storage, indexing, and the use of link analysis for boosting search performance. The most common design and implementation techniques for each of these components are presented. For this presentation we draw from the literature and from our own experimental search engine testbed. Emphasis is on introduci ...

16 Parallel shared-memory simulator performance for large ATM networks 77%
Brian Unger , Zhonge Xiao , John Cleary , Jya-Jang Tsai , Carey Williamson
ACM Transactions on Modeling and Computer Simulation (TOMACS) October 2000
Volume 10 Issue 4
A performance comparison between an optimistic and a conservative parallel simulation kernel is presented. Performance of the parallel kernels is also compared to a central-event-list sequential kernel. A spectrum of ATM network and traffic scenarios representative of those used by ATM networking researchers are used for the comparison. Experiments are conducted with a cell-level ATM network simulator and an 18-processor SGI PowerChallenge shared-memory multiprocessor. The resul ...

17 Behavioral Aspects of Text Editors 77%
David W. Embley , George Nagy
ACM Computing Surveys (CSUR) January 1981
Volume 13 Issue 1

18 Education related to the use of computers in organizations 77%
Daniel Teichroew

Communications of the ACM September 1971
Volume 14 Issue 9

The ACM Curriculum Committee on Computer Education for Management has been carrying out a study on "Curriculum Development in Management Information Systems Education in Colleges and Universities" under a grant from the National Science Foundation. This position paper provides a framework for the study. Preliminary conclusions are presented on the need for education in administrative information systems, and appropriate college curricula and courses are suggested. Als ...

19 Systems, interactions, and macrotheory 77%

Philip Barnard , Jon May , David Duke , David Duce
ACM Transactions on Computer-Human Interaction (TOCHI) June 2000
Volume 7 Issue 2

A significant proportion of early HCI research was guided by one very clear vision: that the existing theory base in psychology and cognitive science could be developed to yield engineering tools for use in the interdisciplinary context of HCI design. While interface technologies and heuristic methods for behavioral evaluation have rapidly advanced in both capability and breadth of application, progress toward deeper theory has been modest, and some now believe it to be unnecessary. A case ...

20 Supporting cognitive models as users 77%

Frank E. Ritter , Gordon D. Baxter , Gary Jones , Richard M. Young
ACM Transactions on Computer-Human Interaction (TOCHI) June 2000
Volume 7 Issue 2

Cognitive models are computer programs that simulate human performance of cognitive skills. They have been useful to HCI by predicting task times, by assisting users, and by acting as surrogate users. If cognitive models could interact with the same interfaces that users do, the models would be easier to develop and would be easier to apply as interface testers. This approach can be encapsulated as a cognitive model interface management system (CMIMS), which is analogous to and based on a u ...

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